

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A vibrator comprising:

a coreless coil;

a driver including a magnet inserted in said coreless coil, a yoke for sandwiching said coreless coil and opposing said magnet and a top plate; and

at least one suspension for carrying resiliently said driver,

wherein the at least one suspension comprises a pair of right and left plate springs, in which one end of each plate spring is fixed and another end of each plate spring is opened, said driver being supported by the opened other ends of the pair of plate springs, and

wherein an alternate current being is applied to said coreless coil to generate vibrations by reciprocation of said driver in an axial direction of said coreless coil.

2. (Original) The vibrator according to claim 1, wherein said driver includes at least one weight attached to said yoke.

Claim 3 (Cancelled).

4. (Currently Amended) The vibrator according to claim ~~3~~ 1, wherein the pair of ~~suspension members is~~ right and left plate springs are disposed axisymmetrically and the driver is reciprocated in the axial direction.

5. (Currently Amended) The vibrator according to claim ~~4~~ 1, wherein the pair of ~~suspension members~~ right and left plate springs are disposed to ~~pinch~~ support said driver ~~in the axial direction in which said driver is reciprocated in~~ the axial direction.

6. (Currently Amended) The vibrator according to claim 1, wherein said coreless coil, the driver and the at least one suspension are contained in a case.

7. (Original) The vibrator according to claim 6, wherein said case includes a frame having an opening for surrounding the driver, a base for fixing the coreless coil and closing one side of the opening of the frame, and a protector for closing another side of the opening of the frame.

8. (Currently Amended) The vibrator according to claim 7, wherein said case has a spacer, ~~said~~ the at least one suspension being ~~pinched~~ supported between the spacer and frame.

Claim 9 (Cancelled).

10. (New) A vibrator having an elongated length comprising:

a coreless coil having an axis and being centrally located along the length of said vibrator;

a driver including a magnet inserted in said coreless coil, a yoke for sandwiching said coreless coil and opposing said magnet, and a top plate;

at least one suspension for resiliently carrying said driver;

wherein said at least one suspension comprises a first pair of plate springs disposed in a substantially common plane perpendicular to the axis of said coil and on opposite sides of said driver and extending lengthwise of said vibrator,

an end of each said spring distal from said vibrator being anchored and an end of each said plate spring proximal to said vibrator being unanchored and supporting said driver,

whereby opposite portions of said driver are supported by said proximal ends of said plate springs; and

means for applying alternate current to said coreless coil to generate vibrations by reciprocation of said driver in the axial direction of said coreless coil.

11. (New) The vibrator according to claim 12 comprising a second suspension for resiliently carrying said driver and disposed along a plane parallel to the plane of said first pair of plate springs.